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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/731,917	12/08/2000	Xin Wang	107146	9895
7590 Oliff & Berridge PLC P.O. Box 19928 Alexandria, VA 22320		07/13/2007	EXAMINER NGUYEN, THANH T	
			ART UNIT 2144	PAPER NUMBER
			MAIL DATE 07/13/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

09/731,917

Applicant(s)

WANG, XIN

Examiner

Tammy T. Nguyen

Art Unit

2144

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE (3) MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on April 10, 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 December 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_



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***Detailed Office Action***

1. This action is in response to the amendment filed on April 10, 2007.
2. Claims 1- 13 are pending.

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gennaro et al., (hereinafter Gennaro) U.S. Patent No. 5,937,066 in view of Markus Jakobsson, (hereinafter Jakobsson) U.S. Patent No. 6,687,822 and further in view of Menezes et al., (hereinafter Menezes) U.S. Patent No. 5,473,691.
5. As to claim 1, Gennaro discloses the invention substantially as claimed. Gennaro teaches a method for using a document, comprising: issuing a document usage

request for using the document in a session [col.13, lines 47-50], (message transmits is encrypted and decrypted); authenticating the encrypted document (col.10, lines 51-55); receiving authorization to use the encrypted document (col.10, lines 51-55, and col.25, lines 50-60); receiving session key for the session (col.10, lines 58-62); receiving a proxy key that delegates decryption to the session (col.10, lines 57-67, key encrypting key allowing them to decrypt the encrypted data keys (session key); wherein the session key may be used to decrypt the encrypted document as part of the session rendering process only of the decrypted document are available to an end user. However, Gennaro does not explicitly disclose partially encrypted and proxy key.

6. In the same field of endeavor, Jakobsson discloses (e.g., a method and system for providing translation certificates). Jakobsson discloses partially encrypted and proxy key (Jakobsson teaches the proxy has the key that allow to decrypt the transcript, each server performs on partial decryption and one partially encryption). [see Jakobsson, col.6, lines 19-27 and col.10, lines 1-16].
7. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Jakobsson's teaching of a method and system for providing translation certificates with the teachings of Gennaro to have a partially encrypted and proxy key because it would have provided specific techniques to provide for the secure and controlled electronic distribution of documents across a communications network, such as internet. Also, Gennaro and Jakobsson do not explicitly disclose only rendered images available to users.

8. In the same field of endeavor, Menezes discloses (e.g., a system and method for computer data transmission). Menezes discloses only rendered images available to users [see Menezes, col.1-35] (indicates that the message data contains rendered images only).
9. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Menezes's teaching of a system and method for computer data transmission with the teachings of Gennaro to have only rendered images available to users for the purpose of increasing the functionality of the fax machines (see Menezes, col.5, lines 63-66).
10. As to claim 2, Gennaro teaches the invention as claimed, further comprising:  
retrieving terms and conditions of the session; retrieving usage parameters and system resource information for the session; and comparing the retrieved usage parameters and system resources and the retrieved terms and conditions, wherein the authorized usage is based on comparison results of the retrieved usage parameters and system resources and the retrieved terms and conditions (col.10, lines 51-67).
11. As to claim 3, Gennaro teaches the invention as claimed, wherein the retrieved terms and conditions are associated with at least one of identification of the encrypted document and usage type (col.14, lines 35-38). However, Gennaro does not explicitly disclose partially encrypted.
12. In the same field of endeavor, Jakobsson discloses (e.g., a method and system for providing translation certificates). Jakobsson discloses partially encrypted

- (Jakobsson teaches each server performs on partial decryption and one partially encryption). [see Jakobsson, col.6, lines 19-27 and col.10, lines 1-16].
13. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Jakobsson's teaching of a method and system for providing translation certificates with the teachings of Gennaro to have a partially encrypted because it would have provided specific techniques to provide for the secure and controlled electronic distribution of documents across a communications network, such as internet.
14. As to claim 4, Gennaro teaches the invention as claimed, wherein the document usage request contains at least one of document identification, usage type, and user identification (col.30, lines 41-55).
15. As to claim 5, Gennaro teaches the invention as claimed, wherein authenticating the protected document comprises at least one of: checking a digital signature associated with the encrypted document; and verifying integrity of each component of the protected document (col.1 1, lines 30-35). However, Gennaro does not explicitly disclose partially encrypted.
16. In the same field of endeavor, Jakobsson discloses (e.g., a method and system for providing translation certificates). Jakobsson discloses partially encrypted

(Jakobsson teaches each server performs on partial decryption and one partially encryption). [see Jakobsson, col.6, lines 19-27 and col.10, lines 1-16].

17. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Jakobsson's teaching of a method and system for providing translation certificates with the teachings of Gennaro to have a partially encrypted because it would have provided specific techniques to provide for the secure and controlled electronic distribution of documents across a communications network, such as internet.
18. As to claim 6, Gennaro discloses the invention substantially as claimed. Gennaro teaches a a usage authorization system for using a encrypted document, comprising: a request receiving device that receives a document usage request for using the encrypted document in a session (col.13, lines 47-50, message transmits is encrypted and decrypted); a document processing device that authenticates the encrypted document (col. 10, lines 51-55); a document source that authorizes usage of the encrypted document, and issues a proxy key that delegates decryption to the session (col.10, lines 57-67, *key encrypting key allowing them to decrypt the encrypted data keys* (session key)); an access device that, along with the document device, creates a session key for the session, wherein the session key may be used to decrypt the encrypted document as part of the session rendering process only of the decrypted document are available to an end user (see col.10, lines 57-67). However, Gennaro does not explicitly disclose partially encrypted and proxy key.

19. In the same field of endeavor, Jakobsson discloses (e.g., a method and system for providing translation certificates). Jakobsson discloses partially encrypted and proxy key (Jakobsson *teaches the proxy has the key that allow to decrypt the transcript, each server performs on partial decryption and one partially encryption*). [see Jakobsson, col.6, lines 19-27 and col.10, lines 1-16].
20. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Jakobsson's teaching of a method and system for providing translation certificates with the teachings of Gennaro to have a partially encrypted and proxy key because it would have provided specific techniques to provide for the secure and controlled electronic distribution of documents across a communications network, such as internet. Also, Gennaro and Jakobsson do not explicitly disclose only rendered images available to users.
21. In the same field of endeavor, Menezes discloses (e.g., a system and method for computer data transmission). Menezes discloses only rendered images available to users [see Menezes, col.1-35] (indicates that the message data contains rendered images only).
22. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Menezes's teaching of a system and method for computer data transmission with the teachings of Gennaro to have only rendered images available to users for the purpose of increasing the functionality of the fax machines (see Menezes, col.5, lines 63-66).



23. As to claim 7, Gennaro teaches the invention as claimed, wherein the document source retrieves terms and conditions of the session, retrieves usage parameters and system resource information for the session, and compares the retrieved usage parameters and system resources and the retrieved terms and conditions, the authorized usage being based on comparison results of the retrieved usage parameters and system resources and the retrieved terms and conditions (col.10, lines 51-67).
24. As to claim 8, Gennaro teaches the invention as claimed, wherein the retrieved terms and conditions are associated with at least one of identification of the encrypted document and usage type (col. 14, lines 35-38). However, Gennaro does not explicitly disclose partially encrypted.
25. In the same field of endeavor, Jakobsson discloses (e.g., a method and system for providing translation certificates). Jakobsson discloses partially encrypted (Jakobsson teaches each server performs on partial decryption and one partially encryption). [see Jakobsson, col.6, lines 19-27 and col.10, lines 1-16].
26. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Jakobsson's teaching of a method and system for providing translation certificates with the teachings of Gennaro to have a partially encrypted because it would have provided specific techniques to provide for the secure and controlled electronic distribution of documents across a communications network, such as internet.

27. As to claim 9, Gennaro teaches the invention as claimed, wherein the document usage request contain at least one of document identification, usage type, and user identification (col.30, lines 41-55).
28. As to claim 10, Gennaro teaches the invention as claimed, wherein the document processing device authenticates the protected document by at least one of: checking a digital signature associated with the encrypted document; and verifying integrity of each component of the encrypted document (col.11, lines 30-35). However, Gennaro does not explicitly disclose partially encrypted.
29. In the same field of endeavor, Jakobsson discloses (e.g., a method and system for providing translation certificates). Jakobsson discloses partially encrypted (Jakobsson teaches each server performs on partial decryption and one partially encryption). [see Jakobsson, col.6, lines 19-27 and col.10, lines 1-16].
30. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Jakobsson's teaching of a method and system for providing translation certificates with the teachings of Gennaro to have a partially encrypted because it would have provided specific techniques to provide for the secure and controlled electronic distribution of documents across a communications network, such as internet.
31. As to claim 11, Gennaro teach the invention as claimed, comprise a combination of performing partial rendering transformation (col.5, lines 45-65).

32. As to claim 12, Gennaro teaches the invention as claimed, wherein the session and proxy keys are not usable for directly decrypting the encrypted document without rendering the encrypted document and performing proxy transformation on the rendered document (16, lines 45-50). However, Gennaro does not explicitly disclose partially encrypted.
33. In the same field of endeavor, Jakobsson discloses (e.g., a method and system for providing translation certificates). Jakobsson discloses partially encrypted (Jakobsson teaches each server performs on partial decryption and one partially encryption). [see Jakobsson, col.6, lines 19-27 and col.10, lines 1-16].
34. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Jakobsson's teaching of a method and system for providing translation certificates with the teachings of Gennaro to have a partially encrypted because it would have provided specific techniques to provide for the secure and controlled electronic distribution of documents across a communications network, such as internet.
35. As to claim 13, Gennaro discloses the invention substantially as claimed. Gennaro teaches a method for using a partially encrypted document, comprising: receiving a document usage request for using the encrypted document in a session [col.13, lines 47-50]; authorizing use the encrypted document (col.10, lines 51-55); creating a session key for the session, and issuing a proxy key that delegates decryption to the

session (col.10, lines 57-67, key encrypting key allowing them to decrypt the encrypted data keys (session key), wherein the session key enable: rendering a non-encrypted portion of the partially encrypted document; performing a proxy transformation on the partially rendered, partially encrypted document(col.10, lines51-55, and col.25, lines 50-60); and decrypting the proxy transformed, partially rendered, partially encrypted document using the session key, wherein the session key may be used to decrypt the encrypted document as part of the session rendering process only of the decrypted document are available to an end user. However, Gennaro does not explicitly disclose partially encrypted and proxy key.

36. In the same field of endeavor, Jakobsson discloses (e.g., a method and system for providing translation certificates). Jakobsson discloses partially encrypted and proxy key (Jakobsson teaches the proxy has the key that allow to decrypt the transcript, each server performs on partial decryption and one partially encryption). [see Jackobsson, col.6, lines 19-27 and col.10, lines 1-16].
37. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Jackobsson's teaching of a method and system for providing translation certificates with the teachings of Gennaro to have a partially encrypted and proxy key because it would have provided specific techniques to provide for the secure and controlled electronic distribution of documents across a communications network, such as internet. Also, Gennaro and Jackobsson do not explicitly disclose only rendered images available to users.

38. In the same field of endeavor, Menezes discloses (e.g., a system and method for computer data transmission). Menezes discloses only rendered images available to users [see Menezes, col.1-35] (indicates that the message data contains rendered images only).
39. Accordingly, it would have been obvious to one of ordinary skill in the networking art at the time the invention was made to have incorporated Menezes's teaching of a system and method for computer data transmission with the teachings of Gennaro to have only rendered images available to users for the purpose of increasing the functionality of the fax machines (see Menezes, col.5, lines 63-66).

#### ***Response to Arguments***

40. Applicant's arguments filed on April 10, 2007 have been fully considered, however they are not persuasive because of the following reasons:
41. Applicants argue that Menezes fail to suggest a method to decrypts the partially decrypted document as part of the session rendering process. In response to Applicant's argument, the Patent Examiner maintains the rejection as stated in the previous action such as Jakobsson discloses partially encrypted and proxy key (Jakobsson *teaches the proxy has the key that allow to decrypt the transcript, each server performs on partial decryption and one partially encryption*). [see Jakobsson, col.6, lines 19-27 and col.10, lines 1-16]. And Menezes discloses only rendered images available to users [see Menezes, col.1-35] (indicates that the

message data contains rendered images only). Therefore, Menezes clearly discloses application claim invention.

42. Applicants argue that Gennaro, Jakobsson and Menezes, either individually or in combination fail to disclose a method for using partially encrypted document including a least a proxy key and session key, wherein the proxy key and session key may be used to decrypt the partially encrypted document as part of the session rendering process only. In response to Applicant's argument, the Patent Examiner maintains the rejection because Gennaro discloses wherein the session key may be used to decrypt the encrypted document as part of the session rendering process only of the decrypted document are available to an end user (col.10, lines 57-67, *key encrypting key allowing them to decrypt the encrypted data keys (session key)*) and Jakobsson discloses partially encrypted and proxy key (*Jakobsson teaches the proxy has the key that allow to decrypt the transcript, each server performs on partial decryption and one partially encryption*). Also, in the claim language the applicant claims "the proxy key and session key **may be** used to decrypt the partially encrypted document as part of the session rendering process only". So it would also that the proxy key and session **may be not** (because it would may be used to the proxy and session and may be not used the proxy and session key to decrypt the partially encrypted document in here). Therefore, Gennaro, Jakobsson and Menezes clearly disclose the application claimed invention.
43. Therefore, the Examiner asserts that cited prior arts teach or suggest the subject matter broadly recited in independent claims 1, 6, and 13. Claims 2-5, and 7-12 are

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also rejected at least by the virtue of their dependency on independent claims and by other reasons set forth in the previous office action.

44. Accordingly, claims 1-13 are respectfully rejected.

**Conclusion**

45. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

46. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tammy T. Nguyen whose telephone number is 571-272-3929. The examiner can normally be reached on Monday - Friday 8:30 - 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, *William Vaughn* can be reached on 571-272-3922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

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June 30, 2007



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